

<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (PTO-1449)				ATTY. DOCKET NO. <b>FSU-0003</b>		APPLN. SERIAL NO. <b>09/909,993</b>	
				APPLICANT(S) <b>Susan Davis ALLEN</b>			
				FILING DATE <b>July 23, 2001</b>		GROUP <b>2878</b>	

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 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
<div style="font-size: 2em; transform: rotate(-90deg); display: inline-block;">↓</div>	4,752,668	06-21-1988	ROSENFELD et al.			
	4,720,621	01-19-1988	LANGEN			
	4,987,286	01-22-1991	ALLEN			
	5,023,424	06-11-1991	VAUGHT			
	5,151,135	09-29-1992	MAGEE et al.			
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	5,516,369	05-14-1996	LUR et al.			
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	5,637,245	06-10-1997	SHELTON et al.			
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U.S. PATENT APPLICATION PUBLICATIONS					
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS

U.S. PATENT APPLICATIONS					
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)	
EXAMINER <div style="font-size: 1.5em; transform: rotate(-15deg); display: inline-block;">↓</div>	DATE CONSIDERED <b>9/3/03</b>

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## U.S. PATENT DOCUMENTS

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	4,987,286	1/22/91	ALLEN	219	121.68	

## FOREIGN PATENT DOCUMENTS

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						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

SW	A	S.D. Allen, J.O. Porteus and W.N. Faith, Infrared laser-induced desorption of H <sub>2</sub> O and hydrocarbons from optical surfaces, Appl. Phys. Lett. Vol. 41(5), pp. 416-418 (1982)				
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SW	D	W. Zapka, W. Ziemlich and A.C. Tam, Efficient pulsed laser removal of 0.2µm sized particles from a solid surface, Appl. Phys. Lett. Vol. 58 (20), pp. 2217-2219 (1991)				
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SW	L	C.T. Avedisian, The Homogeneous Nucleation of Limits of Liquids, J. Phys. Chem. Ref. Data Vol. 14, No. 3, pp. 695-729 (1985)				
SW	M	O. Yavas, P. Leiderer, H.K. Park, C.P. Grigoropoulos, C.C. Poon, W.P. Leung, N. Do and A.C. Tam, Optical Reflectance and Scattering Studies of Nucleation and Growth of Bubbles at a Liquid-Solid Interface Induced by Pulsed Laser Heating, Phys. Rev. Lett., Vol. 70, No. 12, pp. 1830-1833 (1993)				
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EXAMINER

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**LIST OF PRIOR ART CITED BY TYPE**  
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U.S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

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						Yes	No

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)**

SW	Q	D.R. Halfpenny and D.M. Kaner, A quantitative analysis of single pulse ultraviolet dry laser cleaning, J. Appl. Phys. Vol. 86, No. 12, pp. 6641-6646 (1999)
—	R	<del>J.B. Heroux, S. Boughaba, I. Ressac, E. Sacher and M. Meunier, J. Appl. Phys. 79, p. 2857 (1996)</del>
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—	W	<del>J. Adler, R.K. Sin, Y. Rabinovich and B. Moudgil, J. Coll. In (2000)</del>
—	X	C. Canuto, M.Y. Hussaini, M.Y. Quarteroni, Spectral methods in fluid dynamics, Springer Series in Computational Physics, Springer-Verlag, New York (1988)
—	Y	Q. Chen, H.W. Lee, S. Allen, Bubble formation and growth in liquid encapsulated laser vapor deposition, Proceedings of the 2nd annual Louisiana Aerospace Forum, 113 (1994)
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—	DD	<del>J.N. Israelachvili, Intermolecular and Surfaces Forces, Academic Press, London 1992</del>
SW	EE	S.J. Lee, K. Imen, S.D. Allen, CO <sub>2</sub> Laser assisted particle removal threshold measurements, Appl. Phys. Lett. 61(19), pp. 2314-2316 (1992)
—	FF	<del>S.J. Lee, K. Imen, S.D. Allen, Shock wave analysis of laser particle removal, J. Appl. Phys. 74(12), pp. 7044-7047 (1993)</del>
SW	GG	S.J. Lee, S.D. Allen, S. Miller, Materials Science and Engineering B 49, p. 85 (1997)
SW	HH	P.T. Leung, N. Do, Leander Klees, W.P. Leung, Frank Tong, L. Lam, W. Zapka and A.C. Tam, Transmission studies of explosive vaporization of a transparent liquid film on an opaque solid surface induced by excimer-laser-pulsed irradiation, J. Appl. Phys. 72 (6), pp. 2256-2263 (1992)
SW	II	Y.K. Lu, W.D. Song, K.D. Ye, Y.P. Lee, D.S.H. Chan and T.S. Low, A cleaning model for removal of particles due to laser-induced thermal expansion of substrate surface, Jpn. J. Appl. Phys. Vol. 36, pp. L1304-L1306 (1997)
—	JJ	<del>Y.K. Lu, W.D. Song, Y. Zhang, M.H. Hong, T.S. Low, A theoretical model for laser removal of particles from solid surfaces, Applied Physics A 65, pp. 9-13 (1997)</del>

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SW	KK	Y.K. Lu, Y.W. Zheng, and W.D. Song, Laser induced removal of spherical particles from silicon wafers, J. Appl. Phys. Vol 87, No. 3, pp. 1534-1539 (2000)
	LL	M. Meunier, J.B. Heroux, S. Boughaba, E. Sacher, CO <sub>2</sub> laser assisted removal of sub-micron particles from solid-surface, J. Appl. Phys. 79 (6), pp. 2857-2862 (1996)
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SW	TT	S. Miller, Dusty Lab May Revolutionize LEDs, Photonics Technology World, p. 34, September 2000

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